

## Abstract of the Disclosure

A method models a plurality of graphics models by generating a first adaptively sampled distance field for a first model, and generating a second adaptively sampled distance field for a second model. Locations in the first adaptively are sampled distance field to determine a distance value for each location. The second adaptively sampled distance field is sampled at each location to determine a corresponding feature of the second adaptively sampled distance field. Then, each distance value is modified according to the corresponding feature to determine a second distance value for each location.